

LEGEND:

- SURFICIAL DEPOSITS (DENOTED AS Q<sub>s</sub> ON SOME SECTIONS AND FIGURES):
- QA** ALLUVIUM DEPOSITED AT THE MOUTH OF GREGORY CANYON CONTIGUOUS WITH THE SAN LUIS REY RIVER FLOODPLAIN. UNCONSOLIDATED DEPOSITS OF SAND, SILT AND GRAVEL WITH VARIABLE AMOUNTS OF COBBLES AND BOULDERS.
- QUN** UNDIFFERENTIATED COLLUVIUM, SLOPE WASH, TALUS AND DEBRIS FLOW DEPOSITS THAT FORM A VENEER OVER MOST OF THE AREA SHOWN IN THE MAP. ON THE EAST FLANK OF THE CANYON THEY COMPRISE COBBLES AND BOULDERS OF LEUCOGNANDIORITE SET IN A LOCALLY CONSOLIDATED MATRIX OF SAND AND SILT. ON THE WEST FLANK OF THE CANYON THEY INCLUDE MOSTLY SAND AND SILT DERIVED FROM WEATHERED TONALITE.
- BEDROCK:
- Kglg** GREGORY MOUNTAIN LEUCOGNANDIORITE. PHANERITIC TEXTURE WITH MEDIUM TO COARSE CRYSTALLINITY. LIGHT GRAY TO BUFF WITH LESS THAN 5% DARK MINERALS. FORMS THE CORE OF GREGORY MOUNTAIN, AND ALSO FORMS DIKES THAT CUT OLDER UNITS.
- Kbt** BONSAILL TONALITE. PHANERITIC TEXTURE WITH MEDIUM TO COARSE CRYSTALLINITY. DARK GRAY. TYPICALLY DEEPLY WEATHERED AND FRIABLE.
- Tjm** METAMORPHIC ROCKS. AMPHIBOLITES AND METAVOLCANIC ROCKS. IN SOME LOCATIONS WITH MIGMATITIC STRUCTURE THAT RESEMBLES GNEISSIC BANDING; APHANTIC TO PORPHYROBLASTIC TEXTURE; RELICT PORPHYRYTIC TEXTURES SUGGEST A VOLCANIC PROTOLITH FOR SOME OF THE UNITS. MEDIUM TO DARK BLuish GRAY. GENERALLY MASSIVE AND HARD.

- APPROXIMATE GEOLOGIC CONTACT
- APPROXIMATE GEOLOGIC CONTACT OBSCURED BY SURFICIAL DEPOSITS
- STRIKE AND DIP OF FOLIATION
- VERTICAL FOLIATION
- STRIKE AND DIP OF JOINTS
- STRIKE AND DIP OF DIKE
- NEW GROUNDWATER MONITORING WELL BY GLA
- GROUNDWATER MONITORING WELL BY GLA
- EXPLORATORY BORING (GLA, 2004)
- PROPOSED GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL BY OTHERS
- GROUNDWATER ELEVATION (OCTOBER 2004)
- 700 --- PIEZOMETRIC SURFACE ELEVATION CONTOUR (OCTOBER 2004)
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER BARRIER (QUERIED WHERE UNCERTAIN OF SOUTHERN EXTENSION)
- LOW PERMEABILITY ZONE
- 700 --- BOTTOM GRADE CONTOURS
- LOCATION OF CROSS-SECTION.

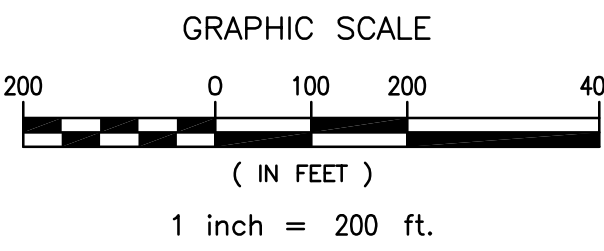


PLATE 1

HYDROGEOLOGIC MAP

SUPPLEMENTAL HYDROGEOLOGIC  
INVESTIGATION REPORT  
GREGORY CANYON LANDFILL  
SAN DIEGO COUNTY, CALIFORNIA

GeoLogic Associates



DRAWN BY: VL DATE: OCTOBER 2004 JOB NO. 9539